

ECOLOGICAL OBSERVATIONS ON RHYNCHOPHORA IN SOUTHERN PINES, N. C.

BY ABRAM HERBERT MANEE.

Helops carolina n. sp.

Color, piceus-brown, upper parts polished but without the metallic sheen so common to the genus, under parts more reddish brown, labrum and tarsi lighter with tawny or gray pilosity; head with the usual depression between antennae finely and profusely punctulate; antennae about 3 mm. in length, gray pubescent; thorax finely and profusely punctulate, frontal edge smoothly evenly subcylindrical, frontal corners extending each into a dull spur behind which the costal edges round evenly to the full rounding basic corners whence the basic edges round outward and upward; entire thoracic surface smooth except that a broad pronounced depression near the costal edge occurs slightly post-medial; elytra suboblong-ovate, the costal edge depressed so that the greatest medial fullness is at striae 7 to 8, frontal edge smooth and rounding at shoulder, striae not deep but decided and fully finely punctulate, intervals subconvex with scattered shallow punctules, the striae 5 and 6 meeting at apical fourth; legs, tarsi and interior of tibiae profusely pilose. Length, 7.5 mm.—8 mm.; width, 3.4 mm. Habitat, at the base of black-gum trees or under boards on moist ground.

COLLECTING DATES AND HABITATS OF SOME LOCAL RHYNCHOPHORA.

- Auletes ater* Lec.—Mid-April—early May. Dogwood.
Eugnamplus angustatus Hbst.—Late April. Dogwood.
Rhynchites hirtus Fab.—May. Dogwood.
Rhynchites aereus var.—Late May—June.
Pterocolus ovatus Fab.—May. Dogwood, Jersey tea (*Ceanthus*).
Attelabus analis Ill.—May. Oak-bush.
Attelabus nigripes Lec.—August. Sumac. (*Rhus typhina*) May.
Attelabus bipustulatus Fab.—Late April. Dogwood, oak.
Panscopus erinaceus Say—December, January. Base of hickory.
Pachnaeus distans Horn.—June—August. Persimmon-bush.
Pandeletejus hilaris Hbst.—Four varieties. April, May, June.
 Dogwood, Jersey-tea. Varieties of *P. hilaris*—*a*—light-red-dish brown, 4 whitish, vertical stripes on thorax and the

usual elytral markings; *b*—like *a* but dark-brown; *c*—nearly black-elytral marks broad; *d*—small, very dark, clear-dark or finely sprinkled.

- Aramigus fulleri* Horn—June–July. Rose.
Plectromedes armatus Casey—June–July. Oak-bush.
Apion segnipēs Say—April. Dogwood, hickory.
Apion varicorne Smith—May–Febr. Seeds of *Petalostemon corymbosum*.
Apion rostrum Say—April.
Apion crassum Fall.—May–June. Oak-bush.
Apion perfoveicollis Fall.—May, June, July. Oak-bush.
Apion sp.?—July. Unique. Hickory.
Phytonomus punctatus Fab.—September.
Macrops hornii Dietz—May.
Pissodes strobi Peck—January–February. Pine-twigs.
Pachylobius picivorus Germ.—March to June. Pine, pine-lumber.
Hylobius pales Hbst.—Winter and Spring. Pine, pine-lumber.
Hilipus squamosus Lec.—June. Unique. Oak.
Lixus scrobicollis Boh.—March, May, June, July.
Cleonus carinicollis May—On sunny sand.
Brachybamus electus Germ.—Unique.
Smicronyx apionides Casey—June.
Otidecephalus chevrolatii Horn—May–June. Hickory, oak.
Magdalis barbata Say—June. Very rare.
Anthonomus quadrigibbus Say—April. Wild cherry.
Anthonomus signatus Say—June. Cedar.
Anthonomus flavicornis Boh.—May–June. Oak.
Anthonomus disjunctus Lec.—March.
Anthonomus grandis Boh.—October. Cotton-bolls.
Orchestes pallicornis Say—May. Oak-bush.
Orchestes niger Horn—May–June. Oak-bush.
Elleschus ephippiatus Say—June.
Prionomerus calceatus Say—June.
Encalus decipiens Lec.—October, June.
Tichius arator Gyll.—May. Rare.
Gymetron teter Fab.—May. Mullein.
Laemosaccus plagiatus Fab.—May. Dogwood, oak.
Conotrachelus nenuphar Hbst.—April to June. Peach.
Conotrachelus seniculus Lec.—May–June.
Conotrachelus elegans Say—September.

- Conotrachelus cribricollis* Say—March.
Conotrachelus anaglypticus Say—June.
Conotrachelus leucophaeatus Fabr.—November.
Rhyssematus lineaticollis—June. Milk-weed.
Chalcodermus aeneus Boh.—April–July. Cowpea pods, Lupine.
Chalcodermus inaequicollis Horn—March. Lupine.
Chalcodermus collaris Horn—May–June. Lupine.
Acamptus rigidus Lee—January.
Tyloderma aereum Say—May–August. On stalk of *Sagittaria*.
 Rises to top of water when jarred.
Phyrdenus undatus Lec.
Cryptorhynchus bisignatus Say—April, May, February. Bush.
Cryptorhynchus fuscatus Lec.
Cryptorhynchus obliquus Say—March. Base of trees.
Cryptorhynchus obtentus Hbst.—May. Rotten wood.
Cryptorhynchus fallax Lec.—June. Base of rotten oak.
Cryptorhynchus tristis Lec.—March. Rotten roots.
Piazurus ocellatus Say—May. Dogwood.
Capturus minutus Lec.—July.
Tachygonus lecontei Gyll.—April. Dogwood, Gum, oak.
Craponius inaequalis Say—May to August. Oak-bush.
Acanthosalis curtus Say—May. Dogwood.
Rhinoneus pyrrhopus Lec.—June.
Baris subovalis Lec.—July. Oak-bush.
Baris near *transversa* Say—*cribrifera* Casey—May–June.
Baris confinis Lec.—May–June, October.
Baris sp.?—May.
Onychobaris rugicollis Lec.—Rare.
Odontocrynus adjunctus Casey—June.
Centrinus scutellum-album Say—June. Indigo-plant.
Centrinus picumnus Hbst.—April. Dogwood, oak.
Centrinus concinnus Lec.—April.
Centrinus rectirostris Lec.—June.*
Centrinus finitimus Casey—May–July. Dogwood.
Anacentrus ovulatus Casey—June. Very rare.
Limnobaris puteifer Casey—May–June.
Stethobaris ovata Lec.—September. Rare.
Balaninus uniformis Lec. var. *caculi*.—September. Acorns.
Balaninus quercus Horn—May, July–November. Oak.
Eupsalis minuta Drury, var. *sallei*—March–December. Rotten gum.

- Rhodoabaenus tredecimpunctatus* Ill.—June. Oak.
Sphenophorus retusus Gyll.—May–June. Hard sand.
Sphenophorus germari Horn—May to August. Hard sand.
Sphenophorus sp.?—May to August. Hard sand.
Sphenophorus venatus Chit.—May–June. Hard sand.
Calandra oryzae Linn.—March–November. Grain.
Calandra granaria Linn.—March. Grain.
Dryophthorus corticalis Say—May. Very rare.
Cossonus corticola Say—May, June, November, December. Pine-bark.
Rhyncholus angularis Lec.—May. Only one specimen.
Eurymyctes fasciatus Oliv.—January. Fungi. Rare.
Tropideres bimaculatus Oliv.—Winters in rotten dogwood.
Anthribus cornutus Say—June. Fungi. Rare.
Cratoparis lunatus Fab.—Winters in tree-fungi.
Cratoparis lugubris Oliv.—Winters in rotten gums.
Brachytarsus stictitus.—June. Oak-bush.
Araeocerus fasciculatus D. & G.—May–September. Fungi.
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A New Locality for *Copaeodes minima* Edwards.—Among some specimens recently received from Mr. G. P. Engelhardt there is a male specimen of *Copaeodes minima* Edwards (*rayata* Barnes and McDunnough), taken by Mr. W. C. Dukes at Mobile, Alabama, on July 23; this I believe is a new locality for the species.—E. L. BELL, Flushing, N. Y.

***Libythea bachmani* in Long Island.**—A male specimen of *Libythea bachmani* Kirtland in perfect condition was taken at Coram, Suffolk County, Long Island, New York, on June 10, 1923; when found it was visiting the flowers of a running blackberry vine.—E. L. BELL, Flushing, N. Y.